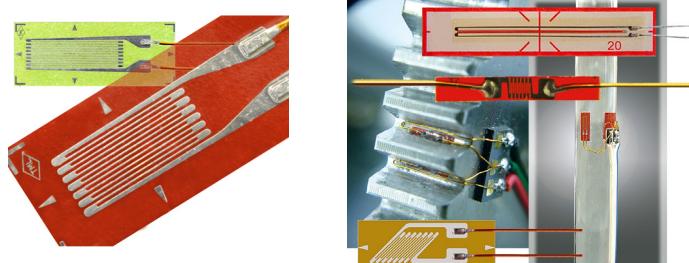


# One-Day Intensive Strain Gauging Workshop

Covers Strain Gauge Selection and Applications, to Wiring and Measurement Techniques

This intensive full-day strain gauging workshop combines theoretical and practical skills of strain gauging. The course will provide technicians and engineers the necessary training to achieve the best possible results for their strain gauging applications.



## Strain Gauge Basics & Fundamentals

- Error sources
- Gauge selection
- Resistance
- Materials applications
- Strain direction
- Size, Shape and Pattern
- Lead wire selection
- Poisson's ratio
- Gauge factor

## Strain Gauge Applications with Practical Demonstrations

- Surface preparation
- Equipment
- Adhesives
- Protective Coating
- Lead wires
- Pre-attached lead wires
- Checklist
- Calibration
- Alignment test experiment

## Wiring Techniques and Error Correction

- $\frac{1}{4}$  Wheatstone bridge
- $\frac{1}{2}$  Wheatstone bridge
- Full Wheatstone bridge
- 2,3,4 Lead wire connections
- Lead wire compensation
- Temperature compensation
- Error identifications and corrections
- Trouble-shooting

Date : Tuesday, 16 September 2025, 8:30am - 4:30pm

Location : Material Testing Lab, Z.G.38, Building Z, Penrith/Kingswood Campus, Centre for Advanced Manufacturing Technology, Advanced Manufacturing Precinct, Western Sydney University, Kingswood, NSW 2747

Cost : AUD\$1380.00 + GST per person

Company Purchase Order/ Credit Card/ EFT accepted

**BESTECH**  
*Sensors & Teaching Equipment*

### More Information:

A: Unit 14/ 44 Garden Boulevard, Dingley, VIC 3172  
E: straingauchetaining@bestech.com.au  
T: (03) 9540 5100

### In Partnership with:

**WESTERN SYDNEY**  
UNIVERSITY



Centre for Advanced  
Manufacturing Technology

